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ADDENDUM NO. 2

Date: October 17, 2014

RFP No. 15-0404

RFP Title: Generator Repair and Maintenance Services

It is the vendor's responsibility to ensure their receipt of all addenda, and to clearly acknowledge all addenda within their initial bid or proposal response. Acknowledgement may be confirmed either by inclusion of a signed copy of this addendum with the initial bid or proposal response, or by completion and return of the addendum acknowledgement section of the solicitation. Failure to acknowledge each addendum may prevent the bid or proposal from being considered for award.

The purpose of this addendum is to provide confirming information to all potential responding vendors in association with the cited Request for Proposal.

Questions/Answers:

Generator Section

Question 1: Check air flow, vents, fans, and filters for cleanliness and proper operation. Are there any filters in the generator ends that are serviceable?

Answer 1: To the best of my knowledge there are none. They can make a site visit if they wish to inspect.

Question 2: Check and record all voltages and currents for input and output. We would like clarification that outputs is just the stator output voltages and amperages also to be stator Ph 1-2-3, we are not aware of voltage input into a generator or amperage or is the intention to record voltage regulator input and ac draw, field draw?

Answer 2: The main purpose is for stator voltage and amperage and related items. We do want to insure that the voltages needed for the battery charging system and the voltage uses to sense if there is a power outage is correct.

Question 3: Check DC voltage and current for both input and output. The only DC voltage that can be measured on a generator end is coming out of the regulator into the field, this would be an input, what would be the request to check output.

Answer 3: Any output voltage to the batteries. We want to insure that the battery charging systems are working properly.

Question 4:• Contactors (if any) shall be inspected and cleaned. Is this an item that is to be only under the transfer switch section? We have no history of contactors being on a generator end

Answer 4: Any contactors that are part of the system.

Question 5: All firmware (if any) upgrades shall be updated with the latest operational enhancements. Is this for an actual controller item? If a manufacturer has a revision such as Cummins Power System they do not provide this at no cost and these are proprietary systems the same as Kohler's 550 series and Caterpillars 3.2 EMCP and newer which means that only the factory OEM can perform these services.

Answer 5: Any costs for this shall be part of the overall bid.

Question 6:• The loads shall be evaluated to insure that they are properly balanced and the results recorded. The building load shall be permitted to serve as part or all of the load, supplemented by a load bank of sufficient size to provide a load equal to 100% of the nameplate kW rating of the generator, less applicable de-rating factors for site conditions.

This section is a bit more complex, regarding the balance an imbalance of 10 % or more is a concern but some manufacturers will not provide specific specs on this, second the balance should have been a function of the electrical design? Not specifying what would be a baseline for evaluating can leave much room for subjective interpretation.

As a side note we would just quote a 100% load bank because again this is a very subjective parameter to use bldg. load as a supplement for the load bank, bldg. load may vary somewhat based on different seasons, we do not see where its mentioned to test under load using the transfer switch during afterhours but from experience we have found that many facilities that are either processing data or having special services would welcome someone testing their ATS during the normal work hours and potentially interfering in their operations so it would be critical to know if an ATS can be tested at any time.

Answer 6: The load test shall be an 80% resistive load bank test.

Question 7:• A fuel quality test shall be performed at each inspection. There is no specific requirement or specifications associated with this item, there are many levels of diesel fuel testing and this would also drive the cost.

Answer 7: Meet ASTM standards

Transfer Switch Section

Question 8:• Verify contacts are not pitted and/or burnt. In order to gain access to this area of the transfer switch (ATS) will the end user allow the power to be de-energized?

Answer 8: No

Question 9:• Replacement of contacts when required. Is this cost to be submitted as part of the PMI?

Answer 9: Yes

Question 10: The Contractor shall supply two (2) sets of instruction/operation manuals for all major components of each generator. Copies will be allowed. This information, as a minimum, shall contain the following:

- a. A detailed explanation of the operation of the system
- b. Instructions for routine maintenance
Detailed instructions for repair major components of the EPSS
- c. An illustrated parts list with part numbers

d. Illustrated and schematic drawings of electrical wiring systems, including operating and safety devices, control panels, instrumentation, and annunciators

From looking at the equipment listed this is a very diverse list and many of these manuals are out of print. This entire section appears to add an unrealistic burden on any company with the exception of one that has already gathered all of them.

Answer 10: See Addendum # 1.

Firm Name: _____ Date: _____

Signature: _____ Title: _____

Typed/Printed Name: _____